

# Operating/Service Instructions

## RIDING MOWER

### IMPORTANT

Model No.

133-495

## SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—**READ THE OWNER'S MANUAL.**
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Clear work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start engine (motor).
6. Disengage power to attachment(s) and stop engine (motor) before leaving operator position.
7. Disengage power to attachment(s) and stop engine (motor) before making any repairs or adjustments.
8. Disengage power to attachment(s) when transporting or not in use.
9. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
  - A. Use only approved drawbar hitch points.
  - B. Limit loads to those you can safely control.
  - C. Do not turn sharply. Use care when backing.
  - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
16. Handle gasoline with care—it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
  - C. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine (motor) indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
18. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
20. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
  - (1) Mow only in daylight or in good artificial light.
  - (2) Never make a cutting height adjustment while engine (motor) is running if operator must dismount to do so.
  - (3) Shut engine (motor) off when removing grass catcher and/or unclogging chute.
  - (4) Check blade mounting bolts for proper tightness at frequent intervals.
24. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

# ASSEMBLY

GRASS CATCHER Model No. 193-015 is available as optional equipment for the mowers shown in this manual.

## WARNING

The mower should not be operated without the entire grass catcher or chute deflector in place.

## NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations. For replacement bags, use only factory authorized replacement bag No. 764-121.

**IMPORTANT:** After striking a foreign object, stop the engine motor). Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

The steering wheel and seat, with the necessary hardware, are easily assembled to the machine. On the electric starter models, the battery must be activated and installed as outlined in this section.

## NOTE

Reference to right-hand or left-hand side of machine is from the driver's seat facing forward.

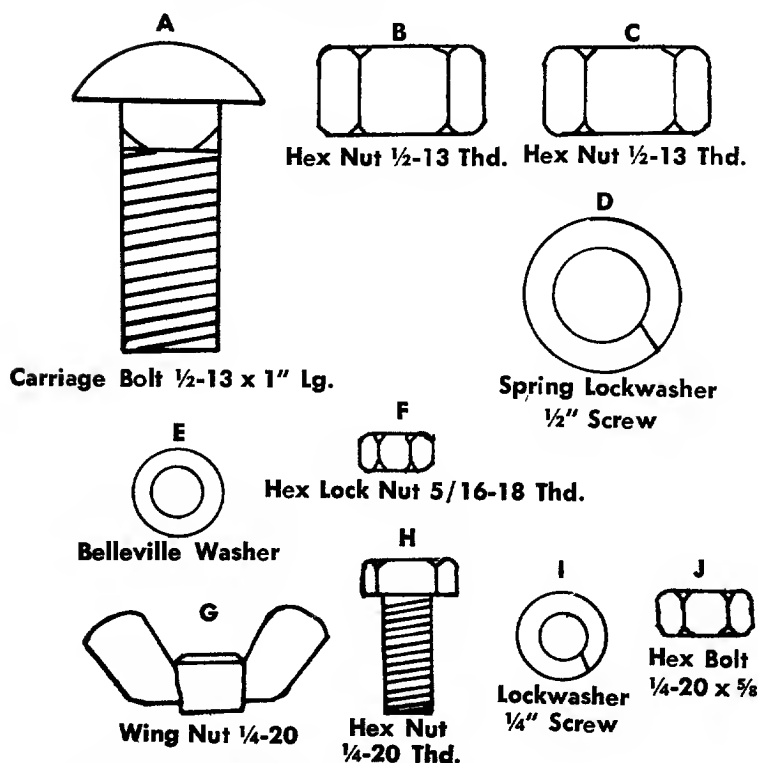


FIGURE 1. HARDWARE SUPPLIED

Step 1. Remove the lawn mower and all parts from the carton. Make certain that all loose parts and literature have been removed before the carton is discarded.

Step 2. Place steering wheel over steering shaft.

Step 3. Secure with Belleville Washer (E) and Hex Nut (F). See figure 2.

Step 4. Press the cap on the steering wheel by hand. See figure 2.

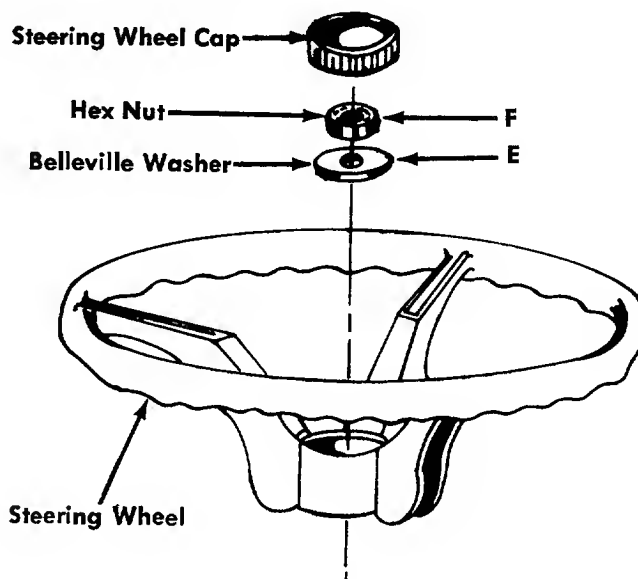
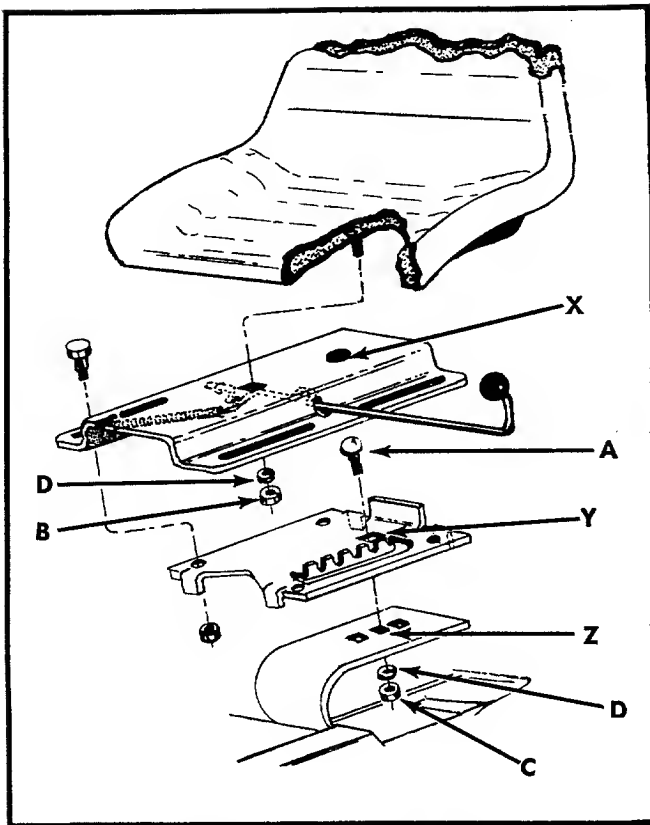


FIGURE 2. STEERING WHEEL ASSEMBLY

Step 5. Your molded seat comes with the mounting bolt molded in seat.

- Place carriage bolt (A) through seat guide hole marked (X), and into seat spring guide hole marked (Y). (See figure 3.) Place lockwasher (D) and hex nut (C) on carriage bolt (A) just a couple of turns to hold bolt in place.
- Place seat assembly upside down. Place seat adjustment assembly in position and secure with lock washer (D) and hex nut (B). See figure 3.
- Place seat and seat adjustment assembly on seat spring hole marked (Z). Secure with Hex Nut (C) and Lockwasher (D). See figure 3.



**FIGURE 3. SEAT ASSEMBLY**

**WARNING**

Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and mutilate before discarding. If acid is accidentally spilled on battery during filling or charging, or on bench or clothing, etc., flush off with clear water and neutralize with soda or ammonia solution.

1. Place battery to be filled on bench or workbench. Never activate battery in mower. Remove vent plugs from all cells.
2. Fill each cell carefully using battery grade 1.250-1.265 specific gravity. Sulfuric acid to  $\frac{3}{8}$ " above the top of the separators or to the split ring.
3. Allow battery to set for 20 minutes. Battery can then be installed, however, to have maximum capacity the battery should be placed on a charger after the 20 minutes setting period. Battery can be charged at maximum of 35 amperes until the specific gravity reading is 1.265-1.275.
4. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225 remove battery and re-charge.

5. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells. Coat the terminals with a thin coat of grease.

6. If the battery is not going to be used in the winter, remove the battery and store in a cool, dry place. Do not store directly on a concrete floor as this will drain the battery. Recharge whenever the specific gravity is less than 1.225.

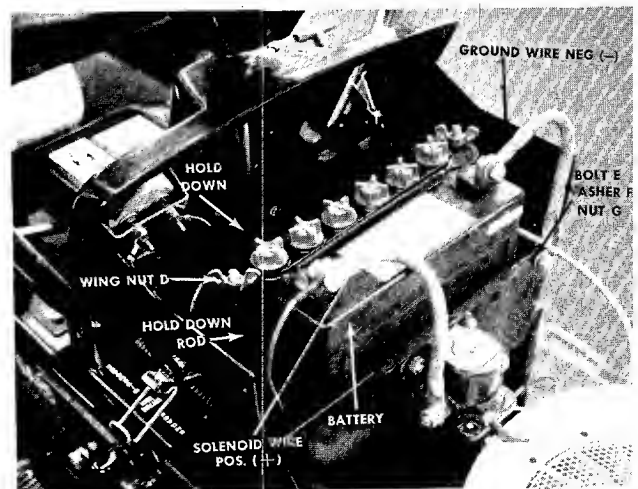
7. Install the battery.

- a. Open the hood of the mower.
- b. Place the battery with the terminals to the FRONT in the battery case. See figure 4.
- c. Hook both hold-down rods under the battery case and place the hold down over the battery caps and secure with wing nuts G.

**CAUTION**

Be sure the flared edge of the hold down is facing up to avoid damage to the battery.

- d. Attach the free end of the positive cable and the small wire from the ammeter, to the positive battery terminal with bolt H, washer I and nut J. The battery terminal is marked +.
- e. Attach the free end of the negative cable to the negative terminal with bolt H, washer I and nut J. Battery terminal is marked -.



**FIGURE 4. INSTALLING THE BATTERY**

## CONTROLS

### CONTROLS

The controls on both models may be considered as the Drive Control and the Cutting Control as follows:

a. **Throttle Control.** The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from  $\frac{3}{4}$  to full throttle when operating the cutting deck or snow thrower (optional). See figure 5.

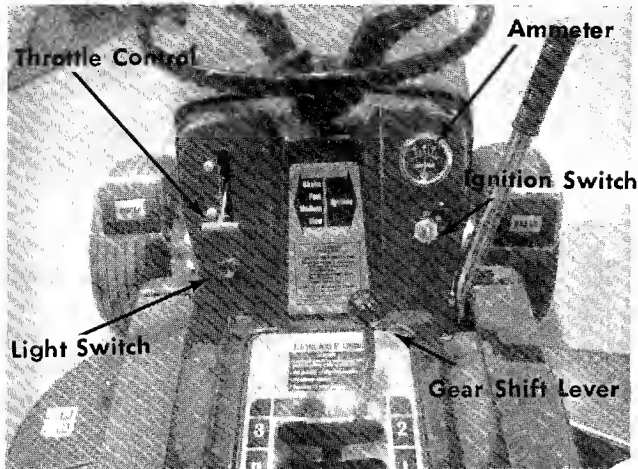


FIGURE 5. CONTROLS

b. **Gear Shift Lever.** The gear shift lever is used to shift into one of three FORWARD GEARS, NEUTRAL or REVERSE. See figures 5 and 6.

c. **Brake.** The brake pedal is located on the right hand side of the mower and is operated by depressing it with your right foot. See figure 7.

d. **Brake Lock.** The brake lock is located on the right hand side of the mower. To lock the brake, depress the brake pedal and lift up the lock button. The pedal will stay depressed. To release, depress the pedal. See figure 7.

e. **Clutch Pedal.** The clutch pedal is used to disengage the drive mechanism. Depressing the clutch pedal at any time will slow you down or, if depressed all the way, will stop the mower. See figure 8.

f. **Clutch Lockout.** When the clutch pedal is depressed all the way it can be locked by placing the clutch lockout in the START position as shown in figure 8. The clutch lockout must be in this position before the engine will start.

g. **Ammeter.** The ammeter registers the rate of battery charge or discharge. The ammeter should register on the plus side (+) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling the ammeter will not show a charge. See figure 5.

h. **Light Switch.** Pull the light switch out to turn on the lights. The lights will only operate when the engine is running. See figure 5.

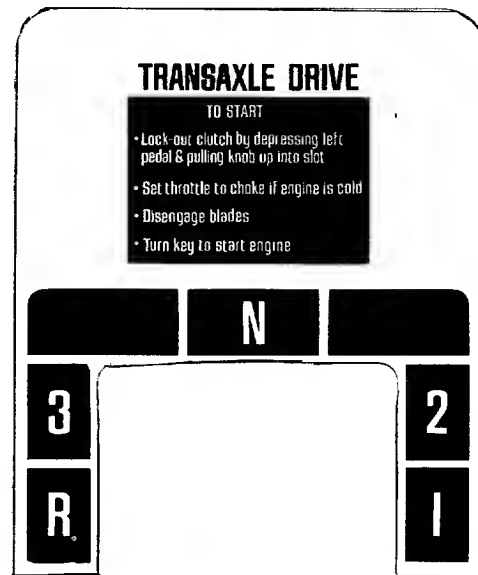


FIGURE 6. SHIFT PATTERN

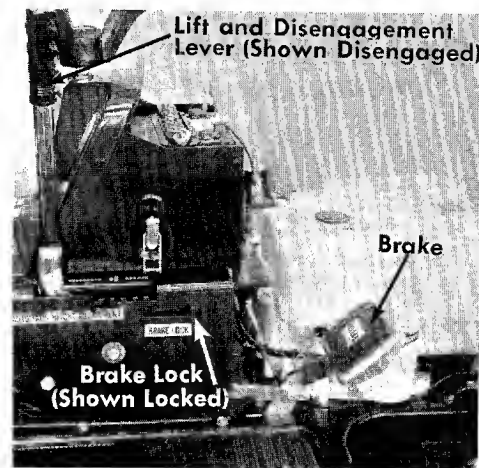


FIGURE 7. RIGHT HAND CONTROLS

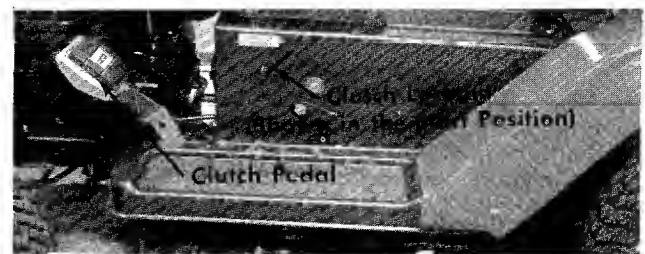


FIGURE 8. LEFT HAND CONTROLS

i. **Ignition Switch.** The ignition switch is located on the right side of the dashboard.

**Electric Start.** See figure 5. Turn the key to the START position to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting.

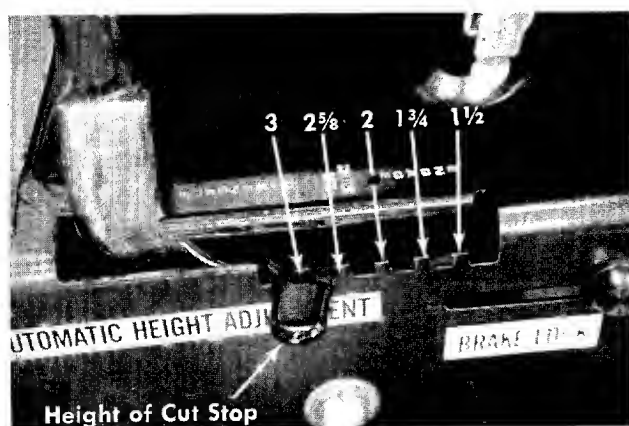
#### **NOTE**

The engine will not start unless the clutch lockout is in the START position and the lift lever is in the DISENGAGED position.

j. **Lift and Disengagement Lever.** It is used to raise the cutting deck. Pulling it all the way back and locking it disengages the blades. The engine will not start unless the lift and disengagement lever is in the disengaged position. See figure 7.

k. **Cutting Controls.** The cutting controls consist of the height of cut stop and the wheel height adjusters.

**Height of Cut Stop.** See figure 9. Lift the stop and set it at the desired cutting height.



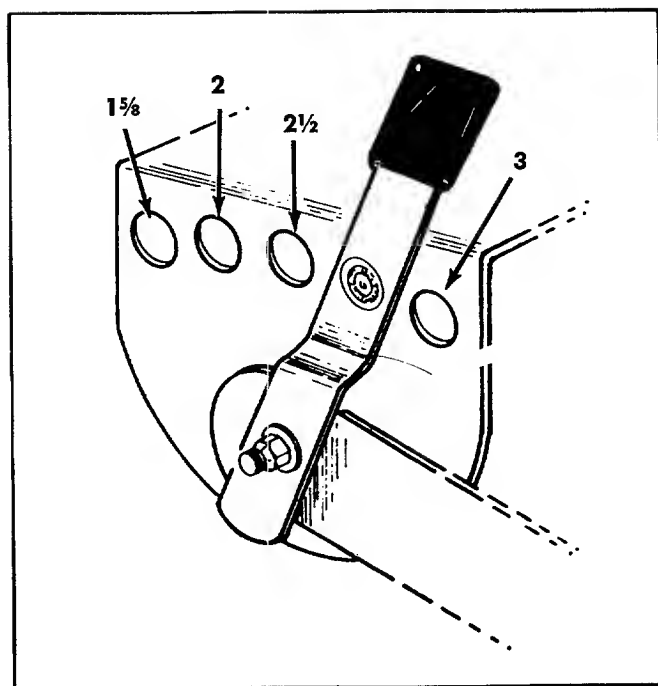
**FIGURE 9. HEIGHT OF CUT SETTINGS**

**Wheel Height Adjuster.** See figure 10. Move the lever towards the wheel and set it in the desired cutting height.

The cutting height of the mower can be set in two different ways: FULL FLOAT position where the deck follows the contour of the ground, and the SUSPENDED position where the deck hangs from the frame of the rider. The suspended position is normally used for cutting rough uneven ground.

To set the cutting deck in the full float position, set the wheel height adjusters in the desired cutting height as indicated in figure 10. Set height of cut stop in the 1 1/2 position. See figure 9.

To set the cutting deck in the suspended position, set the height of cut stop in the desired cutting height and then set the deck wheel so they just clear the ground.



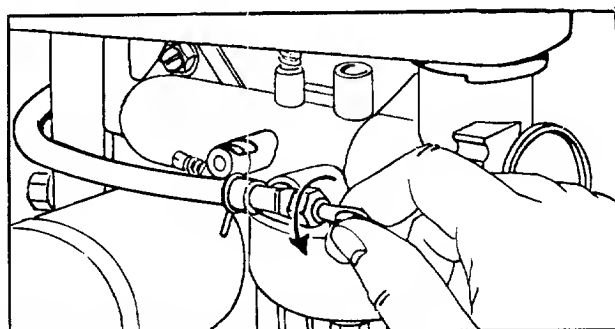
**FIGURE 10. WHEEL HEIGHT ADJUSTER**

## **OPERATING INSTRUCTIONS**

### **STARTING THE ENGINE**

Be sure to follow the instructions for the oil and gasoline as described in the engine manual.

Step 1. Be sure the fuel shut-off valve is open. See figure 11.



**FIGURE 11. FUEL SHUT-OFF VALVE**

Step 2. Place the clutch lockout in the START position. See figure 8.

Step 3. Place the lift and disengagement lever in the DISENGAGED position. See figure 7.

Step 4. Set the throttle control in the CHOKE position. See figure 5.

### Electric Start

See figures 12 and 13. Turn the ignition key to the START position. When the engine is running, let the key return to the ON position.



FIGURE 12. STARTER SWITCH

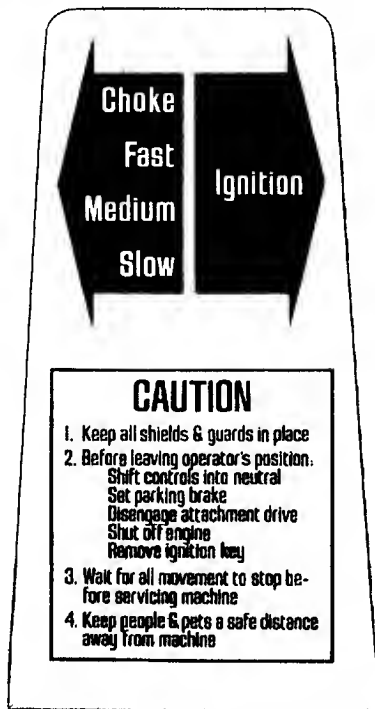


FIGURE 13. DASH PANEL LABEL

### NOTE

A brief break-in period is essential to ensure maximum engine and mower life. This consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 2 hours of operation.

### STOPPING THE ENGINE

Turn the ignition key to the left to the OFF position and remove the key to prevent accidental starting.

### OPERATING THE MOWER

- Step 1. Set the desired cutting height.
- Step 2. Start the engine as outlined above.
- Step 3. Select gear and shift.

### NOTE

DO NOT force the gear shift lever! If the lever cannot be moved from NEUTRAL to one of the drive positions, release the clutch pedal slowly, depress it again, and then move the gear shift lever as required.

- Step 4. Once the machine is in motion, remove foot from the pedal. The mower will now move ahead or to the rear, and the use of the steering wheel will provide directional control.
- Step 5. The mower is brought to a stop by pressing your right foot against the brake pedal and your left foot against the clutch pedal. The drive belt will be disengaged and the brake will be applied.

### CAUTION

Gear changing should be done only after the mower has been brought to a full stop. If the mower is not to be used for a long period, place the gear shift lever in NEUTRAL and stop the engine. DO NOT leave the machine on an incline.

### OPERATING THE CUTTER BLADE

The cutting blades may be engaged while the mower is moving or standing still. DO NOT engage the cutting blades abruptly as the sudden belt tension on the pulley may cause the engine to stall.

### WARNING

When the blade drive is engaged, keep feet and hands away from the discharge opening and from the blade.

To stop the blades, move the lift and disengagement lever (figure 7) into the DISENGAGED position. This raises the deck and disengages the blades.

### NOTE

When the machine is used for other than mowing operations the blade drive should be disengaged.

## MAINTENANCE

### CRANKCASE OIL

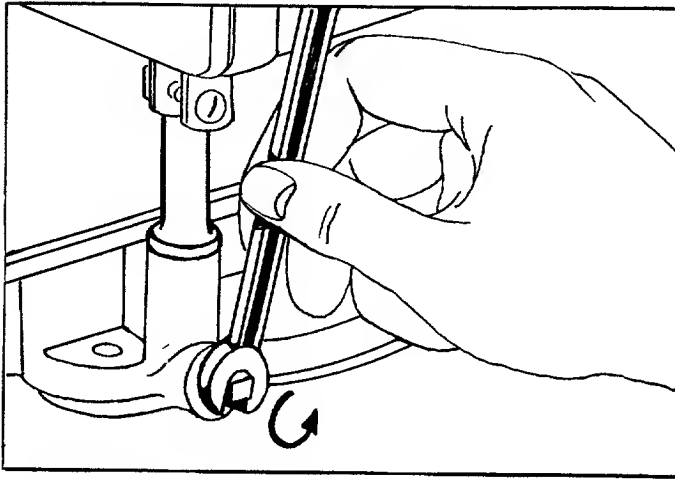
To ensure maximum engine performance, perform the following periodic maintenance:

#### Oil Check

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil should be kept between the add and full marks on the dipstick.

After the first five hours of operating a new engine, drain the oil (See figure 14.) from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. This procedure ensures for minimum wear of engine parts and provides for virtually trouble-free operation. To change the oil, proceed as follows:

Step 1. With the machine on level ground, place a suitable metal container under the oil drain plug, then remove the drain plug. See figure 14.



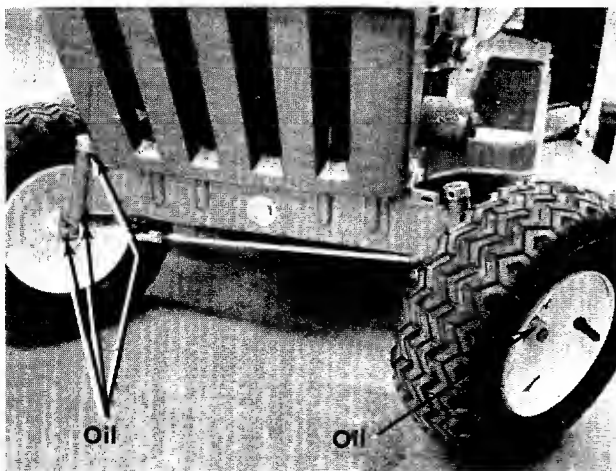
**FIGURE 14. OIL DRAIN**

Step 2. After the oil has been drained completely from the crankcase, replace the drain plug and tighten.

Step 3. Refill crankcase with 2¼ pints of good quality, type MS, Engine oil into the crankcase. Summer use SAE 30; Winter (Below 40° F) use SAE 5W-20 or SAE 10W.

### **LUBRICATION**

Lubricate the wheel bearings (2 per wheel) and the upper and lower spindle bearings with SAE 30 oil once a season. See figure 15.



**FIGURE 15. WHEEL AND SPINDLE BEARINGS**

### **AIR CLEANER**

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions the air cleaner must be serviced after every hour of operation. Refer to figure 16.

When assembling the air cleaner, make certain the lip of the foam element extends over edge of the air cleaner body. The foam element will form a protective seal.

Step 1. Remove two screws and lift off complete air cleaner assembly.

Step 2. Remove screen and spacers from foam element.

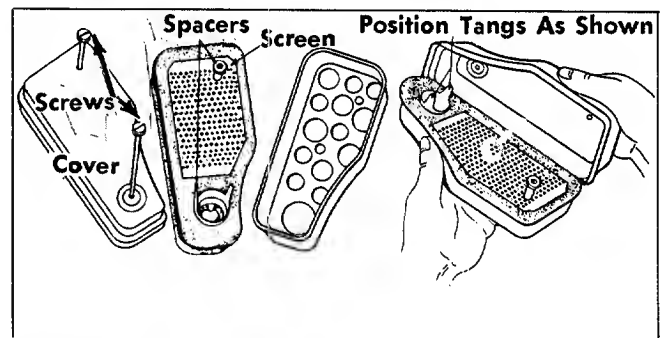
Step 3. Remove foam element from air cleaner body.

Step 4. a. Wash foam element in kerosene or liquid detergent and water to remove dirt.

b. Wrap foam in cloth and squeeze dry.

c. Saturate foam in SAE 30 engine oil, then squeeze out excess oil.

d. Assemble parts, fasten to carburetor with screw.



**FIGURE 16. AIR CLEANER**

### **CLEANING ENGINE AND BLADE HOUSING**

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

### **TIRES**

The tires should be inflated to 7 to 10 psi. A punctured tire may be repaired in the same manner as an automobile tire.

## BELTS

Check that belts are free of oil or dirt. Wipe the belts periodically with a clean rag.

### NOTE

Belt tension is automatically maintained by the spring on the variable speed bracket on the drive belts and the belt tension on the deck belt is maintained by the two deck springs.

## SPARK PLUG

The spark plug gap should be cleaned and reset to a 0.030-inch clearance every 25 hours of engine operation (See figure 17.) Spark plug replacement is recommended at the start of each mowing season; check engine parts list for correct plug type.

### NOTE

Whenever the spark plug is removed for cleaning, it is advisable to replace the spark plug gasket with a new gasket.

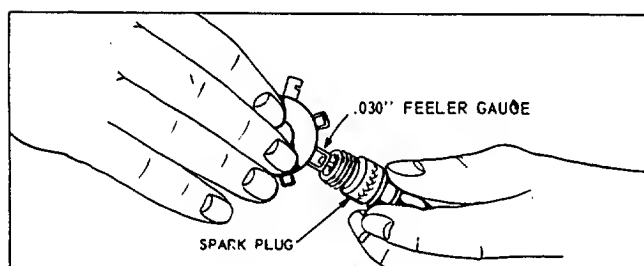


FIGURE 17. SPARK PLUG CLEARANCE

## REPLACING BLADE

### WARNING

Before beginning work on the cutter blade, remove the spark plug from the cylinder.

The adapter can be removed from the blade by removing the two adapter bolts, lockwashers and nuts.

**Removing and Sharpening Blades.** Remove the center bolt and lockwasher. See figure 18. Pull the blade and blade adapter from the blade spindle.

## WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) requires no adjustment. Automotive steering principals have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in follow these steps.

- Step 1. Loosen the hex jam nut on one side. See figure 19.
- Step 2. Remove the elastic locknut and drop the tie rod end out of the wheel bracket.
- Step 3. Adjust the tie rod end in or out to obtain the proper toe-in adjustment as shown in figure 20.

### NOTE

Unscrew the tie rod end to toe the wheels in.

- Step 4. Reassemble in reverse order.

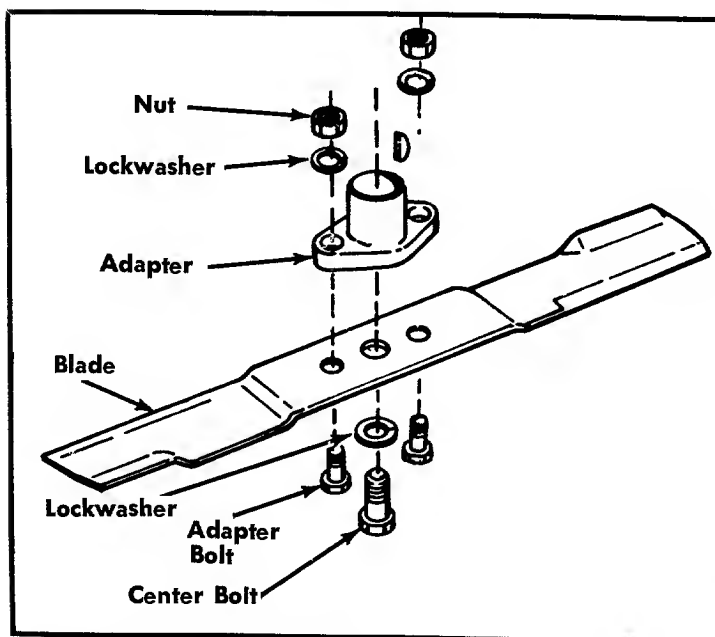


FIGURE 18. BLADE REMOVAL

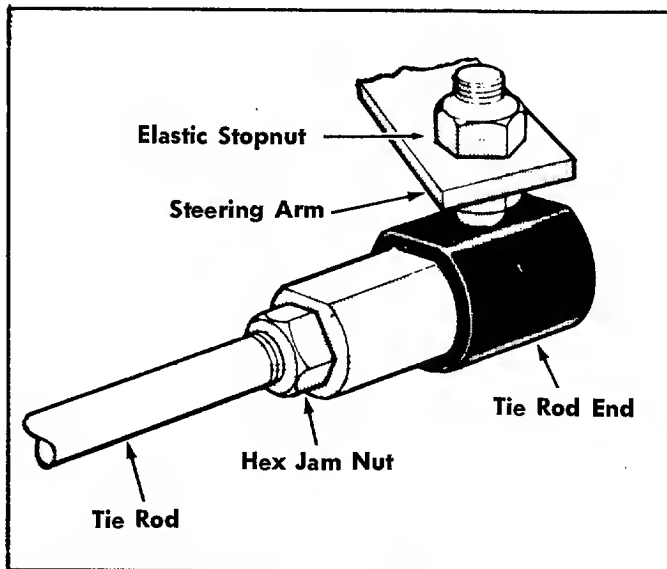


FIGURE 19. TIE ROD ADJUSTMENT



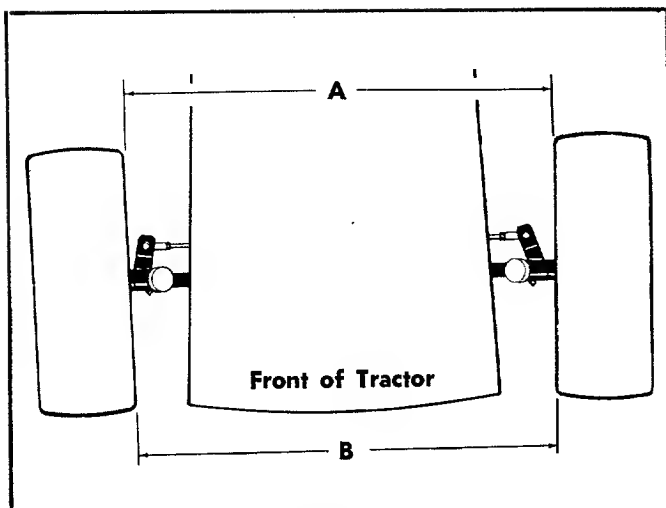


FIGURE 20. TOE-IN DIAGRAM

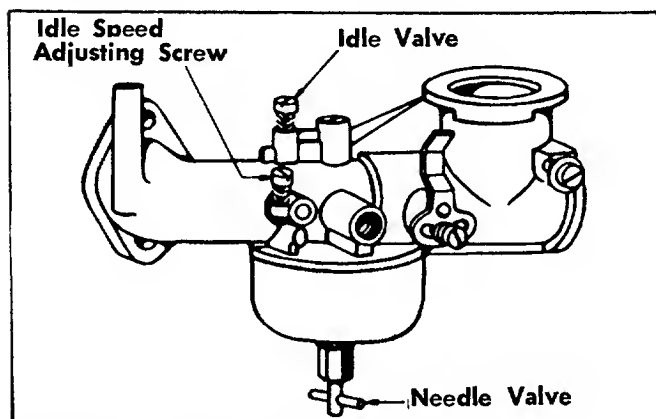


FIGURE 21. CARBURETOR ADJUSTMENT

#### ADJUSTING CARBURETOR CHOKE

Proper choke operation is dependent upon proper adjustment of remote controls on the powered equipment.

#### **To Check Operation of Choke-A-Matic Controls:**

Move control lever to CHOKE position. (See figure 5.) The carburetor choke should be closed.

#### **NOTE**

The air cleaner can be removed to check the operation of the choke.

#### **To Adjust:**

Place control lever on equipment in FAST (high speed) position. Loosen control casing clamp screw B. Move control casing A and wire until lever D touches choke operating link at C. Tighten casing clamp screw B. See figure 22.

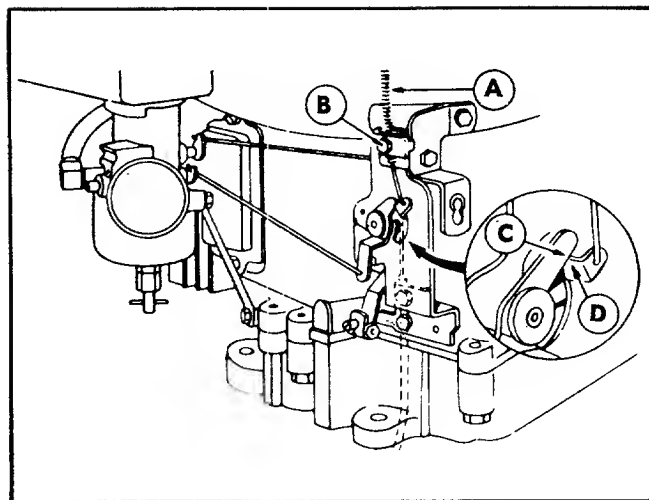


FIGURE 22. CHOKE ADJUSTMENT

#### PREPARING FOR BELT REMOVAL

##### **WARNING**

Disconnect the spark plug wire and ground it against the engine.

Step 1. Remove the battery.

##### **WARNING**

Disconnect the negative terminal first and connect last when installing the battery.

Step 2. To prevent gasoline from leaking from the engine, remove the gasoline cap, place a piece of thin plastic over the neck of the gasoline tank and screw on the cap.

Step 3. Close the fuel shut-off valve as shown in figure 11.

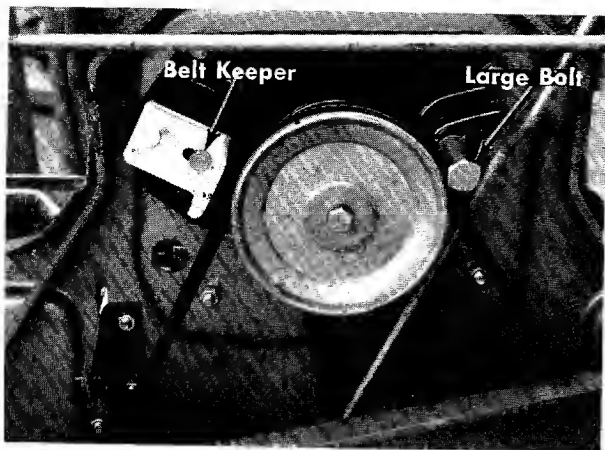
Step 4. Set the gear shift lever in FIRST or REVERSE (See figure 5.) Place your hands under the front axle and lift the unit up until it tips back and rests on the seat.

#### MOWING UNIT BELT REPLACEMENT

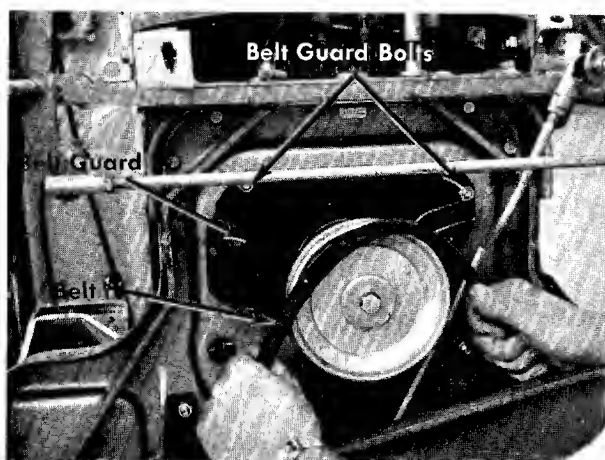
Step 1. Place the lift lever in the disengaged position. See figure 7.

Step 2. Remove the belt keeper and large bolt on the engine pulley. See figure 23.

Step 3. Unhook the belt from the engine pulley. See figure 24.



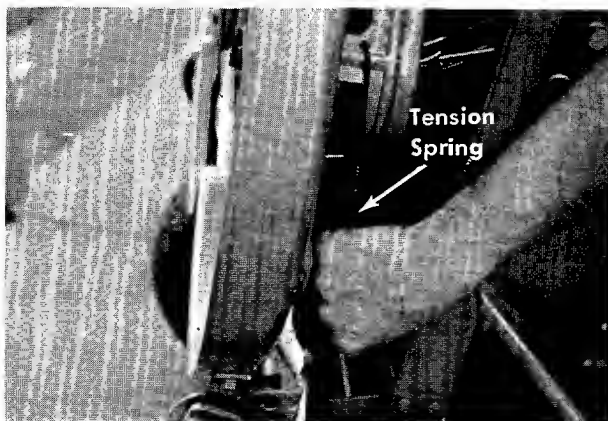
**FIGURE 23. BELT KEEPER**



**FIGURE 24. REMOVING MOWER BELT**

Step 4. Place the lift lever in the engaged position. See figure 7.

Step 5. Unhook the tension springs on both sides of the deck. See figure 25.

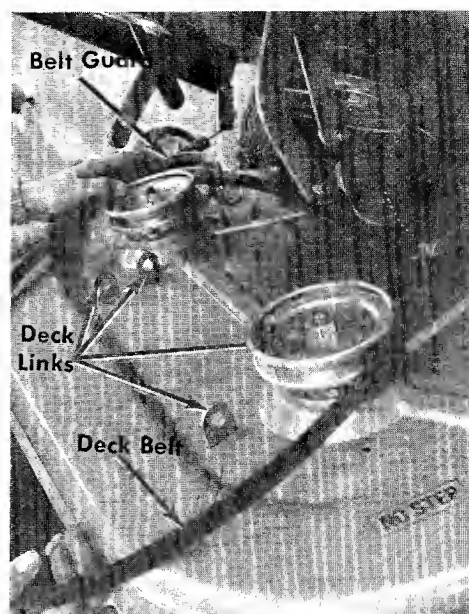


**FIGURE 25. REMOVING TENSION SPRINGS**

Step 6. Remove the front four deck links from the cutting deck. See figure 26.

Step 7. Remove the belt guards from both deck pulleys. See figure 26.

Step 8. Remove and replace the belt and reassemble.



**FIGURE 30. DECK LINKS**

### **TRANSMISSION BELTS REMOVAL**

Step 1. Place the lift lever in the disengaged position. See figure 7.

Step 2. Remove the belt keeper and large bolt on the engine pulley. See figure 23.

Step 3. Unhook the belt from the engine pulley. See figure 24.

Step 4. Place the lift lever in the engaged position. See figure 7.

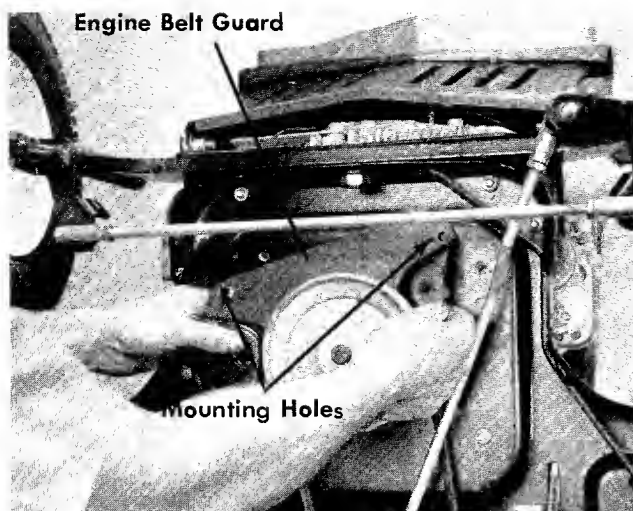
Step 5. Unhook the tension springs on both sides of the deck. See figure 25.

Step 6. Remove the front four deck links from the cutting deck. See figure 26.

Step 7. Tip the deck down as shown in figure 26.

### **NOTE**

Leave the belt attached to the deck pulleys unless you want to replace it.



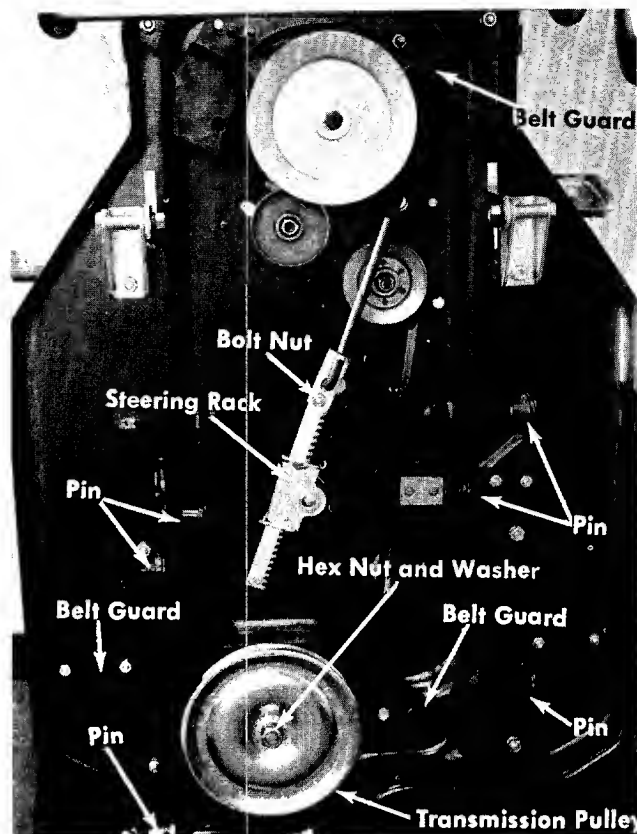
**FIGURE 27. BELT GUARD REMOVAL**

**NOTE**

By working between the frame and the deck, it is possible to remove and replace the deck belt without removing the deck, however, the working space is limited.

**Step 9. Removing the transmission belt.** See figure 28.

- a. Remove the entire belt guard from the engine pulley by removing the two front engine bolts. See figure 27.
- b. Remove the transmission pulley by removing the hex nut and washer. See figure 28.



**FIGURE 28. BOTTOM VIEW**

## **OFF-SEASON STORAGE**

### **OFF-SEASON STORAGE**

If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

- Step 1.** Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank, then run the engine until all fuel in carburetor is exhausted.

**WARNING**

Do not drain fuel while smoking, or if near an open fire.

- Step 2.** Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with clean new oil.

- Step 3.** Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about six drops of engine oil into the cylinder, and then pull the recoil starter several times to spread the oil on the cylinder wall. Replace the spark plug, but **DO NOT** connect the wire.

- Step 4.** Clean the engine and the entire mower thoroughly.

- Step 5.** Lubricate all lubrication points indicated in figure 15; then wipe the entire machine with an oiled rag in order to protect the surfaces.

IF YOU WRITE TO US ABOUT THIS ARTICLE OR  
IF YOU ORDER REPLACEMENT PARTS ALWAYS  
MENTION THIS STOCK AND MODEL NUMBER

STOCK No. \_\_\_\_\_ MODEL No. \_\_\_\_\_

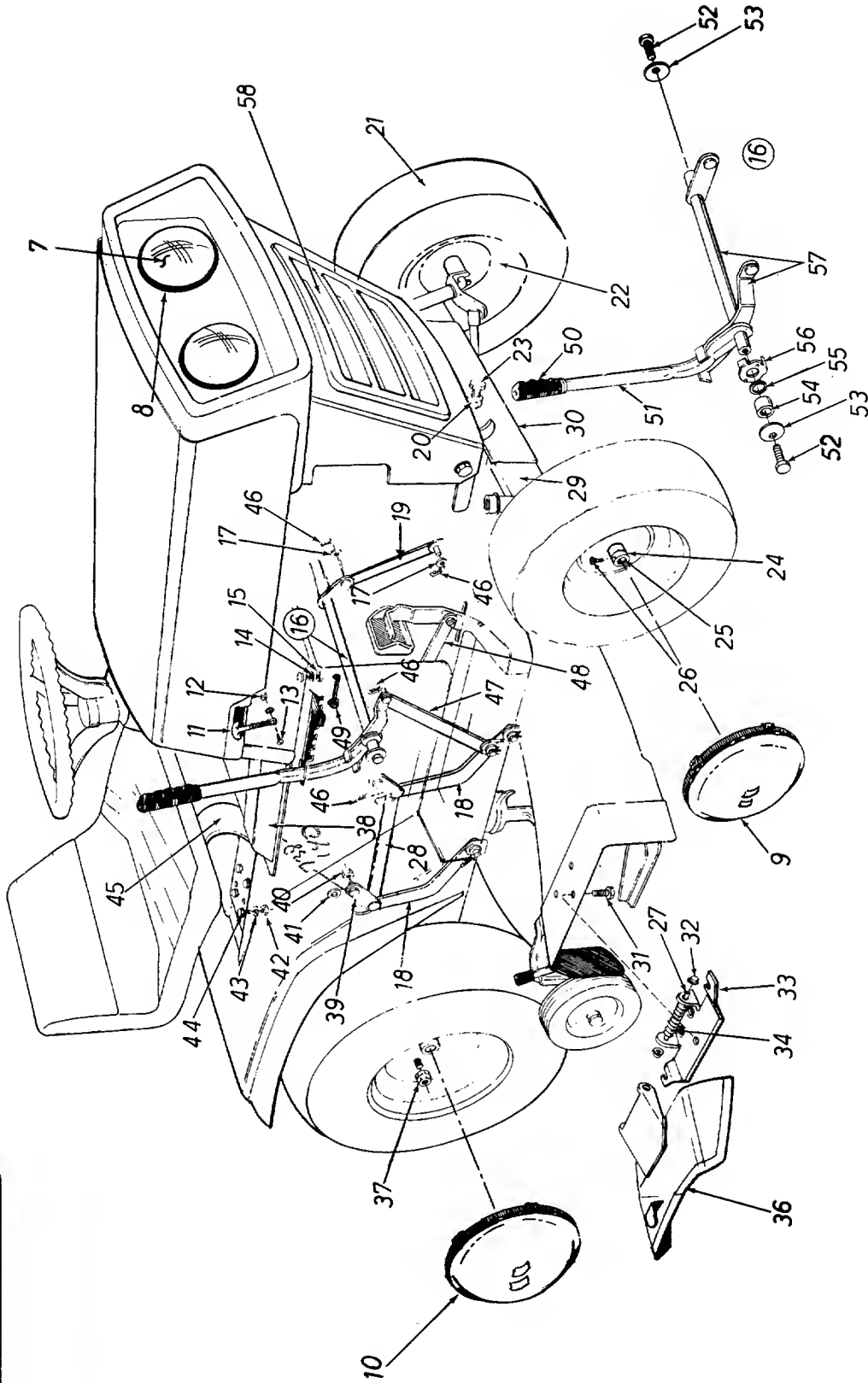


FIGURE 29. RIGHT HAND VIEW

# PARTS LIST FOR FIGURE 29 RIGHT HAND VIEW

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
7	725-222		Head Lights	
8	735-156		Head Light—Door Mounting	N
9	734-541		Front Wheel Hub Cap 6 inch Dia.	N
10	734-542		Rear Wheel Hub Cap 8 inch Dia.	N
11	723-296		Hood Lock Ass'y.	N
12	712-287		Hex Nut 1/4-20 Thd.*	N
13	710-289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg.*	
14	736-119		Spring Lockwasher 5/16" Scr.*	
15	712-267		Hex Nut 5/16-18 Thd.*	
16	—		Lift Handle Ass'y.—See Breakdown	
17	736-192		Flat Washer .531 I.D. x .93 O.D.	
18	10349		Deck Link Assembly	
19	10904		Hex Center Locknut 5/8-18 Thd	
20	712-923		Front Wheel Ass'y. Comp.	
21	734-497		16 x 6.00	
	734-498		Front Wheel Tire Only 15" x 6.00	N
22	734-499		Front Wheel Rim Only	N
23	710-312		Hex Hd. Cap Scr. 5/8-18 x 1.31" Lg.	N
24	711-169		Collar 5/8" I.D.	
25	748-184		Front Wheel Bearing	
26	710-494		Sq. Hd. Set Scr. 5/16-18 x .38" Lg. Cup	
27	711-571		Pivot Pin	
28	9735		Connecting Rod 3/16 x 1.00 x 12.5" Lg.	
29	10555		Front Pivot Bar Ass'y.	
30	10495		Front Pivot Bracket	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
31	710-195		Hex Hd. Cap Scr. 1/4-28 x .62" Lg.*	
32	726-106		Push-on Flange Pin Nut	
33	11399		Adapter Plate Assembly	
34	732-261		Torsion Spring	
35	11633		Chute Cover Ass'y. Comp.	N
36	11574		Chute Cover Ass'y.	
37	712-193		Cone Nut 3/8-24 Thd.	
38	11842		Upper Frame Cover	
39	9721		Pivot Link Ass'y.	
40	712-267		Hex Nut 5/16-18 Thd.*	
41	736-264		Flat Washer .344 I.D. x .62 O.D.	
42	712-267		Hex Nut 5/16-18 Thd.*	
43	736-119		Spring Lockwasher 5/16" Scr.*	
44	710-198		Hex Hd. Sems Scr. 5/16-18 x .75" Lg.*	
45	732-256		Seat Spring	
46	714-101		Internal Cotter Pin 1/2" Dia.	
47	10904		Deck Link Assembly	
48	11059		Parking Brake—Lever Ass'y. R.H.	
49	726-121		Push Cap 1/4" Dia.—Black	
50	8118		Grip	
51	11030		Lift Handle R.H.	
52	710-201		Hex Hd. Cap Scr. 3/8-16 x .62" Lg.*	
53	736-219		Belleville Washer .400 I.D. x 1.13 O.D.	
54	748-201		Spacer .635 I.D. x .88 O.D. x .57	
55	736-0233		Flat Washer .944 I.D. x .62 O.D.	460 I.D. x .82 O.D. x .029
56	11029		Handle Pivot Bracket	
57	11032		Lift Handle Bracket Ass'y.	
58	731-208		Grille Insert	N

\*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

462—Red Flake  
When ordering parts if color or finish is important, use the appropriate color code shown at left. (e.g. Red Flake Finish—11836 (462)).

Should be on the right side.

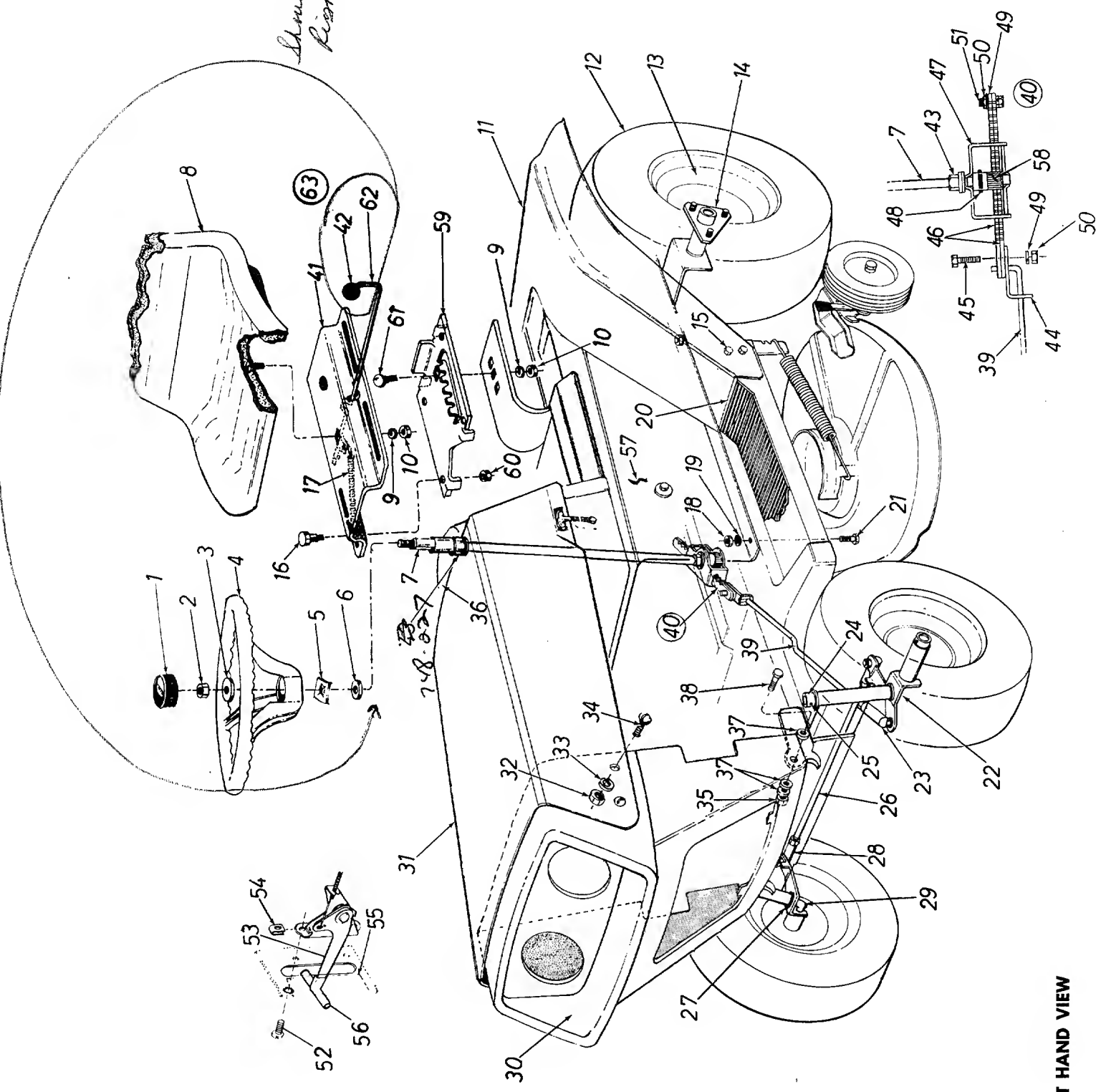


FIGURE 30. LEFT HAND VIEW

**PARTS LIST FOR FIGURE 30 LEFT HAND VIEW**

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-220		Steering Wheel Cap	N
2	712-158		Hex Center Locknut 5/16-18 Thd.	
3	736-219		Belleville Washer .400 I.D. x 1.13 O.D.	
4	731-219		Steering Wheel 12.0 inch	N
5	712-222		Push Nut 5/8" Dia.	
6	736-174		Wave Washer .660 I.D. x .88 O.D.	
7	738-200		Steering Shaft	N
8	757-241		Seat Assembly Comp—10.0" Black (Mtg. Bolt Molded in Seat)	
9	736-921		Spring Lockwasher 1/2" Scr.*	
10	712-206		Hex Nut 1/2-13 Thd.*	
11	11839—462		Rear Fender	N
12	734-515		Rear Wheel Ass'y.—Comp. 18 x 8.50	
	734-516		Rear Wheel Tire Only 18 x 8.50	N
13	734-449		Rear Wheel Rim Ass'y	N
14	10473		Rear Wheel Hub Ass'y.	N
15	710-258		Hex Hd. Cap Scr. 1/4-20 x .62" Lg.*	
16	738-155		Shoulder Scr. .437" Dia. x .167	
17	732-265		Extension Spring	
18	712-267		Hex Nut 5/16-18 Thd.*	
19	736-119		Spring Lockwasher 5/16" Scr.*	
20	723-241		Foot Pad 15.75" Lg. x 4.0" Wide	
21	710-259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
22	9098—462		Front Axle Ass'y.—L.H.	
23	723-156		Ball Joint Ass'y. (Tie Rod End)	
24	711-169		Collar 5/8" I.D.	
25	710-494		Sq. Hd. Set Scr. 5/16-18 x .38 Cup	
26	711-256		Tie Rod 5/8-24 Threaded Both Ends	
27	748-184		Flange Bearing .630 I.D.	
28	723-156		Ball Joint Ass'y. (Tie Rod End)	
29	9095—462		Front Axle Ass'y.—R.H.	N
30	719-197		Front Grille	
31	11836—462		Front Hood	

\*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
32	712-287		Hex Nut 1/4-20 Thd.*	
33	736-329		Spring Lockwasher 1/4" Scr.*	
34	710-286		Truss Hd. Mach. Scr. 1/4-20 x .50" Lg.*	
35	712-375		Hex Center Locknut 5/8-16 Thd.	N
36	11862		Dash Panel and Battery Box Ass'y.	
37	736-105		Belleville Washer	
38	710-253		Hex Hd. Cap Scr. 5/8-16 x 1.00" Lg.*	
39	711-548		Steering Rod	
40	—		Steering Ass'y.—See Breakdown	
41	11127		Seat Guide	N
42	722-119		Knob—For Seat Adjustment Rod	
43	748-0227		Hex Flange Bearing .505 I.D. Bronze	
44	11047		Steering Rod Bracket	
45	710-142		Hex Hd. Cap. Scr. 1/4-28 x .75" Lg.*	
46	11048		Steering Segment	
47	11074		Steering Housing Ass'y.	
48	715-120		Spiral Pin 3/16" Dia. x 1.00" Lg.	
49	736-329		Spring Lockwasher 1/4" Scr.*	
50	712-138		Hex Nut 1/4-28 Thd.*	
51	710-412		Hex Hd. Cap Scr. 1/4-28 x .75" Lg.*	
52	710-351		Truss Hd. Mach. B-Tapp. Scr. #10 x .50" Lg.	N
53	746-160		Throttle Control—Complete	N
54	712-147		Speed Nut #10-24 U-Type	N
55	11862		Dash Panel and Battery Box Ass'y	N
56	722-115		Knob—Only—Throttle Control	
57	11862		Upper Frame	N
58	748-203		12 Teeth—Spur Gear	N
59	11128		Seat Spring Guide	
60	712-158		Hex Center Locknut 5/16-18 Thd.	
61	710-385		Carriage Bolt 1/2-13 x 1.00" Lg.*	N
62	11129		Adjustment Rod	
63	11126		Seat Adjustment Ass'y.—Comp. (Includes Ref. No's. 9, 10, 16, 17, 41, 42, 59, 60, 61 and 62).	N

When ordering parts if color or finish is important, use the appropriate color code shown at left. (e.g. Red Flake Finish—11836 (462)).

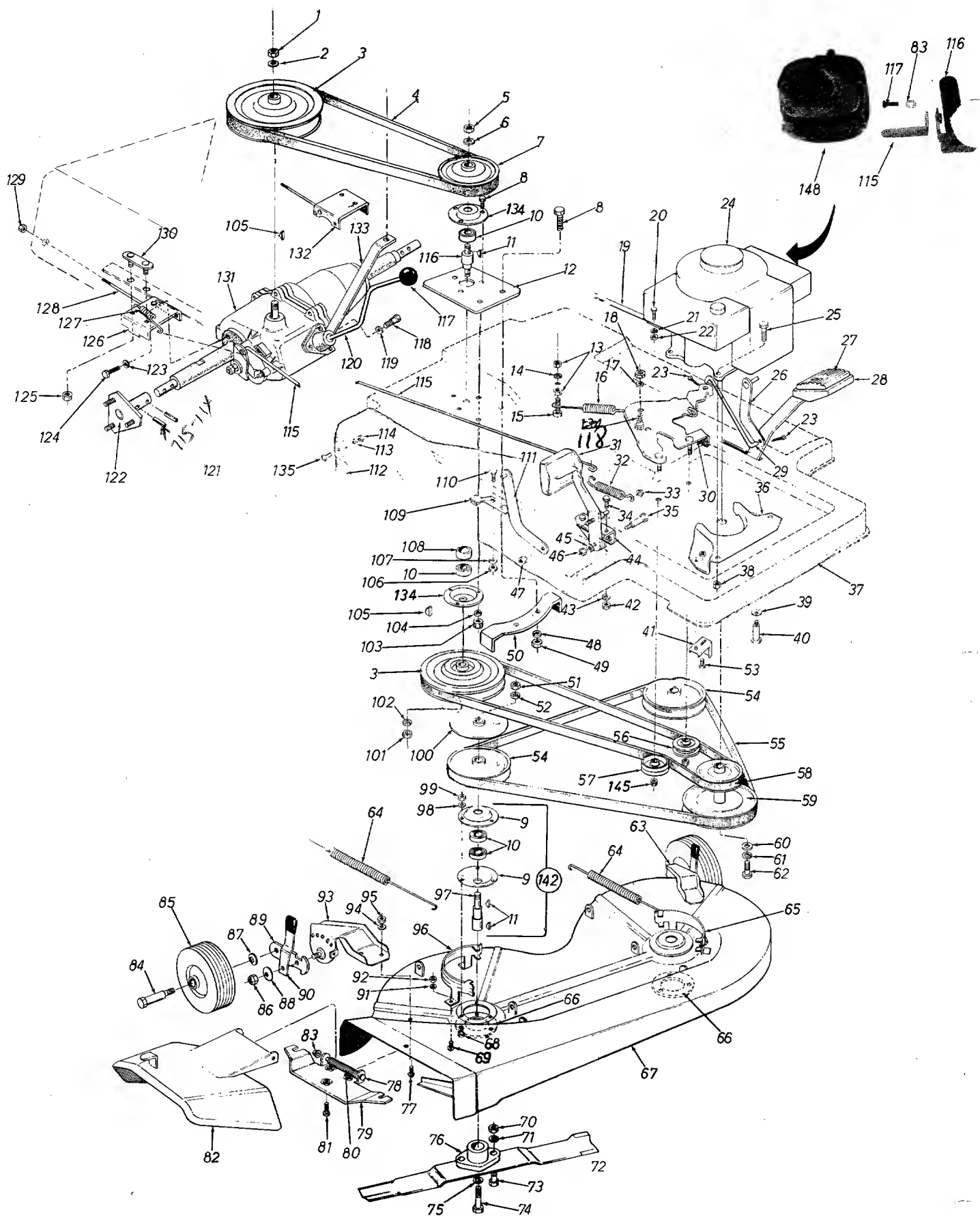


FIGURE 31. DECK AND FRAME VIEW



**PARTS LIST FOR FIGURE 31 DECK AND FRAME VIEW**

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-922		Hex Jam Nut 1/2-20 Thd.*	N	43	736-119		Spring Lockwasher 5/16" Scr.*	N
2	736-921		Spring Lockwasher 1/2" Scr.*		44	11039		Pedal "U" Bracket Ass'y.	
3	756-174		Transmission Split Pulley .50" I.D.		45	736-169		Spring Lockwasher 3/8" Scr.*	
4	754-173		"V"-Belt 21/32 x 37" Lg.		46	712-798		Hex Nut 3/8-16 Thd.*	
5	712-242		Hex Jam Nut 5/8-11 Thd.		47	712-429		Hex Inserted Locknut 5/16-18 Thd.	
6	736-158		Spring Lockwasher 5/8" Scr.*		48	736-119		Spring Lockwasher 5/16" Scr.*	
7	756-124		Pulley 4.75" O.D.		49	712-267		Hex Nut 5/16-18 Thd.*	
8	710-322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*		50	11845		Transmission Belt Guard	
9	8253		Bearing Housing		51	712-242		Hex Jam Nut 5/8-11 Thd.	
10	741-919		Ball Bearing .787 I.D. x 1.85 O.D.		52	736-158		Spring Lockwasher 5/8" Scr.*	
11	714-365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	N	53	710-259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
12	11851		Spindle Plate		54	756-124		Deck Pulley 4.75" O.D.	
13	712-267		Hex Nut 5/16-18 Thd.*		55	754-145		"V" Belt 21/32 x 69" Lg. (Blade Drive Belt)	
14	736-119		Spring Lockwasher 5/16" Scr.*		56	756-116		"V" Belt Idler 3.06" O.D.	
15	710-322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*		57	756-178		"P" Flat Idler 2.75" O.D.	
16	732-191		Spring .75" O.D. x 11.0" Lg. (Idler)		58	754-127		"V" Belt 21/32 x 66" Lg. (Transmission)	
17	736-119		Spring Lockwasher 5/16" Scr.*		59	756-157		Two Step Engine Pulley	
18	712-267		Hex Nut 5/16-18 Thd.*		60	736-235		Flat Washer .406 I.D. x 1.25 O.D.	
19	11095		Engine Brace		61	736-169		Spring Lockwasher 3/8" Scr.*	
20	710-259		Hex Sems Scr. 5/16-18 x .62" Lg.*		62	710-152		Hex Hd. Cap Scr. 3/8-24 x 1.00" Lg.*	
21	736-119		Spring Lockwasher 5/16" Scr.*	N	63	11237		Wheel Bracket Assembly—L.H. (Deck)	
22	712-267		Hex Nut 5/16-18 Thd.*		64	732-191		Spring .75 O.D. x 11.0" Lg. (Deck)	
23	714-507		Cotter Pin 3/32" Dia. x .75" Lg.		65	10071		Belt Guard—L.H. (Deck)	
24	—		Engine		66	9164		Deck Reinforcement Plate	
25	710-442		Hex Hd. Cap Scr. 5/16-18 x 1.50" Lg.*		67	11098		38 Inch Deck Assembly	
26	11057		Parking Brake Lever Ass'y.—L.H.		68	710-322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
27	10614		Pedal Pad Vinyl		69	710-289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg.*	
28	11037		Clutch Pedal Ass'y.		70	712-123		Hex Nut 5/16-24 Thd.*	
29	747-112		Clutch Rod		71	736-119		Spring Lockwasher 5/16" Scr.*	
30	11843		Idler Bracket Ass'y.		72	742-122		19 Inch Blade	
31	11036		Brake Pedal Bracket Ass'y.	N	73	710-117		Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg. Heat Treated	
32	732-245		Brake Spring		74	710-459		Hex Hd. Cap Scr. 3/8-24 x 1.50" Lg. Heat Treated	
33	726-100		Push Nut 3/8" Rod		75	736-217		Spring Lockwasher 3/8" Scr. Heavy Duty	
34	710-198		Hex Sems Scr. 5/16-18 x .75" Lg.*		76	10769		Blade Adapter Kit	
35	738-213		Shoulder Scr. .498" Dia. x 1.450" Lg.		77	710-289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg.*	
36	10480		Engine Belt Guard Assembly		78	711-571		Pivot Pin	
37	11090		Frame Assembly		79	11399		Adapter Plate Ass'y.	
38	712-267		Hex Nut 5/16-18 Thd.*		80	732-261		Torsion Spring	
39	736-105		Belleville Washer 3/8" Scr.		81	710-195		Hex Hd. Cap Scr. 1/4-28 x .62" Lg.*	
40	738-129		Shoulder Scr. .498" Dia. x 2.00" Lg.*						
41	10426		Belt Keeper Ass'y.						
42	712-267		Hex Nut 5/16-18 Thd.*						

# PARTS LIST (CONTINUED)

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
82	11574		Chute Cover Assembly		118	738-140		Shoulder Scr. .437 Dia. x .180	
83	726-106		Push Nut—1/4" Rod		119	736-242		Belleville Washer .345 I.D. x .88 O.D.	N
84	738-119		Shoulder Scr. .625" Dia. x 1.75" Lg.		120	717-262		Shift Lever	
85	734-225		Wheel Ass'y.—6.0" Dia. (Deck)		121	715-114		Spring Pin Spir. 1/4 Dia. x 1.50" Lg.	
86	712-116		Hex Inserted Locknut 3/8-24 Thd.		122	10473		Rear Hub Assembly	
87	736-105		Belleville Washer		123	736-119		Spring Lockwasher 5/16" Scr.*	
88	736-105		Belleville Washer		124	710-10573		Hex Hd. Cap Scr. 5/16-18 x 1.25" Lg. <i>GRADE 5</i>	
89	10937		Wheel Pivot Bar		125	712-429		Hex Inserted Locknut 5/16-18 Thd.	
90	10949		Spring Lever Ass'y. with Knob		126	11848		Transaxle U-Bracket—R.H.	N
91	736-329		Spring Lockwasher 1/4" Scr.*		127	732-157		Spring .38 O.D. x 3.25" Lg.	
92	712-287		Hex Nut 1/4-20 Thd.*		128	710-437		Chain Adj. Link 5/16-18 x 4.38" Lg.	
93	11236		Wheel Bracket Ass'y.—R.H. (Deck)		129	712-429		Hex Inserted Locknut 5/16-18 Thd.	
94	736-329		Spring Lockwasher 1/4" Scr.*		130	10360		Axle Bolt Plate Ass'y.	
95	712-287		Hex Nut 1/4-20 Thd.*		131	—		Transaxle—3 Speed	
96	10072		Belt Guard—R.H. (Deck)		132	11849		Transaxle U-Bracket—L.H.	N
97	711-255		Blade Spindle		133	11850		Transaxle Support Bracket	N
98	736-329		Spring Lockwasher 1/4" Scr.*		134	741-163		Bearing—Housing Ass'y. (Includes Bearing)	N
99	712-287		Hex Nut 1/4-20 Thd.*		135	—		Lo-Tone Muffler (Order from Briggs & Stratton)	
100	9322		Blade Brake Disc		136	11857		Muffler Bracket	N
101	712-922		Hex Jam Nut 1/2-20 Thd.		137	751-124		Muffler Extension Ass'y.	N
102	736-921		Spring Lockwasher 1/2" Scr.*		138	736-329		Spring Lockwasher 1/4" Scr.*	
103	712-287		Hex Nut 1/4-20 Thd.*		139	710-289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg.*	
104	736-329		Spring Lockwasher 1/4" Scr.*		140	11918		38 inch Deck Ass'y.—Comp.	N
105	714-129		#4 Hi-Pro Key 3/32 x 5/8 Dia.		141	11633		Chute Cover Ass'y.—Comp. (Includes Ref No's. 78, 79, 80, 81, 82 & 83)	N
106	712-287		Hex Nut 1/4-20 Thd.*		142	9321		Spindle Ass'y. Comp. (Deck)	
107	736-329		Spring Lockwasher 1/4" Scr.*		143	9963		Hitch Bracket (Not Shown)	
108	750-142		Spacer .836 I.D. x 1.01 O.D.		144	731-144		Vinyl Black Strip for Dash 12.0" Lg. (Not Shown)	
109	761-147		Blade Brake Ass'y .88" High		145	712-116		Hex Inserted Locknut 3/8-24 Thd.	
110	710-134		Carriage Bolt 1/4-20 x .62" Lg.*						
111	11059		Parking Brake Lever Ass'y.—R.H.	N					
112	10410		Spring Bracket						
113	736-329		Spring Lockwasher 1/4" Scr.*						
114	712-287		Hex Nut 1/4-20 Thd.*						
115	747-110		Brake Rod .25 Dia. x 22.75" Lg.						
116	738-177		Spindle for Transaxle						
117	722-115		Ball Knob—Black 1 3/8 Dia. x 3/8-16 Thd.						

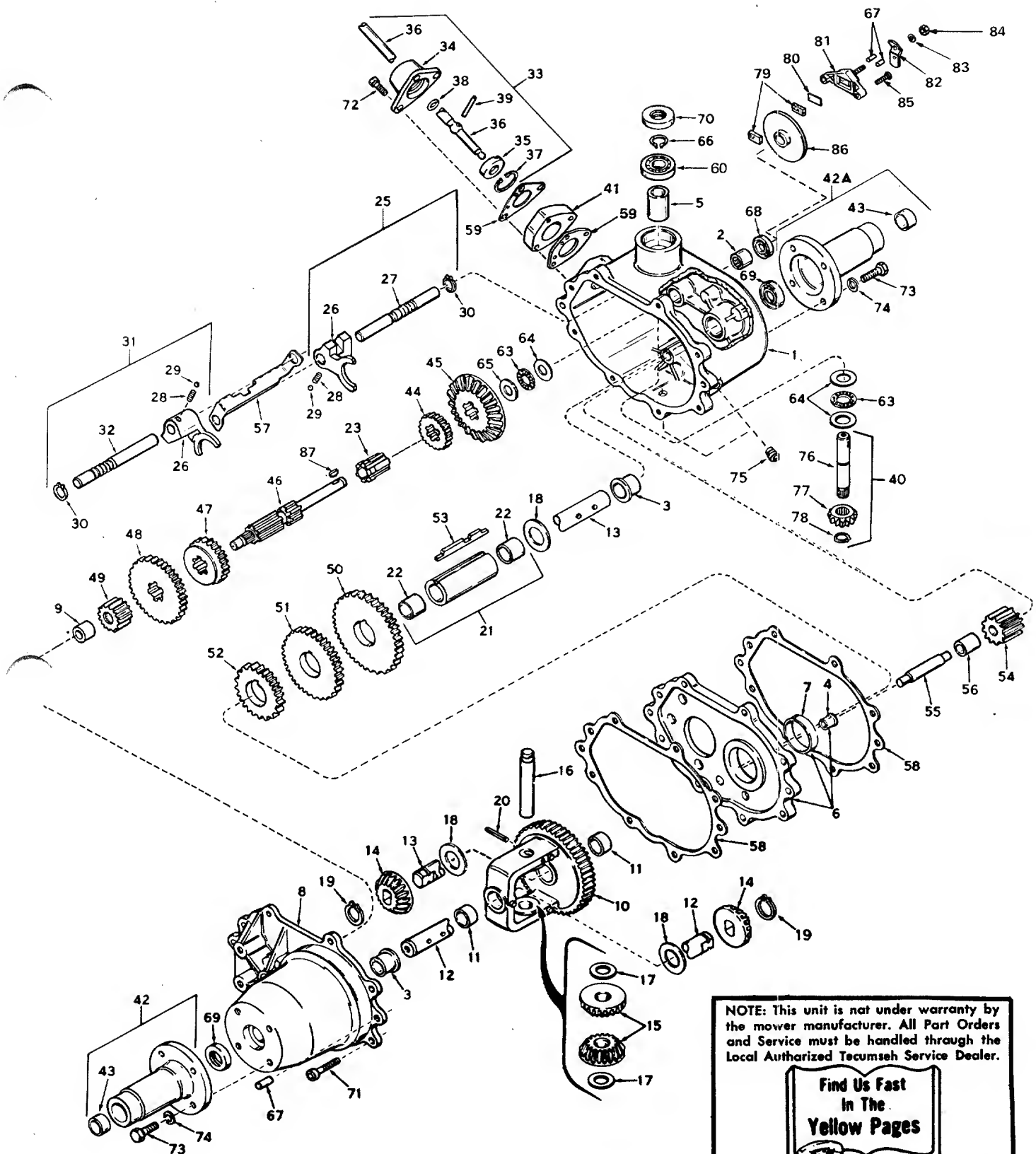
\*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

When ordering parts if color or finish is important, use the appropriate color code shown at left. (e.g. Red Flake Finish—11836 (462)).

462—Red Flake

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."





NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.

**Find Us Fast  
In The  
Yellow Pages**

**PEERLESS MODEL 633**  
This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

FIGURE 32. TRANSAXLE PART NO. 633

**PARTS LIST FOR FIGURE 32 TRANSAXLE PART NO 633**

REF. NO.	PART NO.	DESCRIPTION
1	770063	Case Ass'y. Transaxle (Incl. Nos. 2, 3 & 5)
2	780086	Bearing, Needle
3	780059	Bearing, Bronze
4	780060	Bearing, Bronze
5	780061	Bearing, Bronze
6	786033	Plate Ass'y., Center (Incl. Nos. 4&7)
7	780062	Bearing, Bronze
8	772042	Cover Ass'y., Transaxle (Incl. Nos. 3 & 9)
9	780063	Bearing, Needle
10	778053	Gear Ass'y., Differential (Incl. No.11)
11	780064	Bearing, Bronze
12	774265	Axle, Left Hand
13	774266	Axle, Right Hand
14	778067	Gear, Bevel
15	778068	Pinion, Bevel
16	786034	Pin, Drive
17	780065	Washer, Thrust
18	780001	Washer, Thrust
19	788038	Ring, Snap
20	792040	Pin, Roll
21	786035	Sleeve Ass'y. Countershaft (Incl. No. 22)
22	780066	Bearing, Bronze
23	776090	Shaft, Idler
25	784079	Rod Ass'y., Shift (1st & Rev.) (Incl. Nos. 26 thru 30)
26	784004	Fork, Shift
27	784083	Rod, Shift
28	792003	Spring
29	792004	Ball, Steel
30	792017	Ring, Snap
31	784084	Rod Ass'y., Shift (2nd & 3rd) (Incl. Nos. 26, 28, 29, 30 & 32)
32	784085	Rod, Shift
33	784244	Lever & Housing Ass'y., Shift (Incl. Nos. 34 thru 39)
34	784088	Housing, Shift Lever
35	784094	Keeper, Shift Lever
36	784245	Lever, Shift
37	792016	Ring, Snap
38	792001	Ring, Quad
39	792049	Pin, Drive
40	776154	Shaft & Gear Ass'y., Input (Incl. Nos. 76, 77 & 78)
41	786057	Block, Riser
42	782038A	Housing Ass'y. Axle (Incl. No. 43)

REF. NO.	PART NO.	DESCRIPTION
42A	782043	Housing Ass'y., Axle (Incl. No. 43)
43	780091	Bearing, Needle
44	778024	Gear (16 teeth)
45	778057	Gear, Bevel (33 teeth)
46	776138	Shaft, Shifter & Brake
47	778058	Gear, Shifting (2nd & 3rd)
48	778059	Gear, Shifting (1st & Rev.)
49	778060	Gear, Spur (12 teeth)
50	778061	Gear, Countershaft Drive (39 teeth)
51	778062	Gear, Countershaft (34 teeth)
52	778063	Gear, Countershaft (25 teeth)
53	792034A	Key, Countershaft
54	778064	Idler, Reverse
55	776057	Shaft, Reverse Idler
56	786036	Spacer, Reverse Idler
57	784087	Stop, Shifter
58	788033	Gasket, Case & Cover
59	788003	Gasket, Shift Lever Housing
60	780093	Bearing, Ball
63	780071	Bearing, Thrust
64	780072	Washer, Thrust
65	780073	Washer, Thrust
66	792035	Ring, Snap
67	786026	Pin, Dowel
68	788043	Seal, Oil
69	788009	Seal, Oil
70	788035	Seal, Oil
71	792036	Screw, Socket Hd. Cap, 1/4-20 x 1 1/4
72	792051	Screw, Socket Hd. Cap, 1/4-20 x 1 3/4
73	792037	Screw, Hex Hd., 5/16-18 x 1
74	792029	Lockwasher, 5/16"
75	792039	Plug, Pipe, 1/8"
76	776155	Shaft, Input
77	778077	Pinion, Input
78	788040	Ring, Retaining
79	790006	Pad, Brake
80	790007	Plate, Brake Pad
81	790005	Holder, Brake Pad
82	790004	Lever, Brake
83	792076	Washer, Flat
84	792075	Nut, Lock
85	792073	Screw, Hex Hd. Cap, 1/4-20 x 1 1/4 thr'd. forming
86	790009	Disc Brake
87	792045	Key, Woodruff #61

NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



**PEERLESS MODEL 633**

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

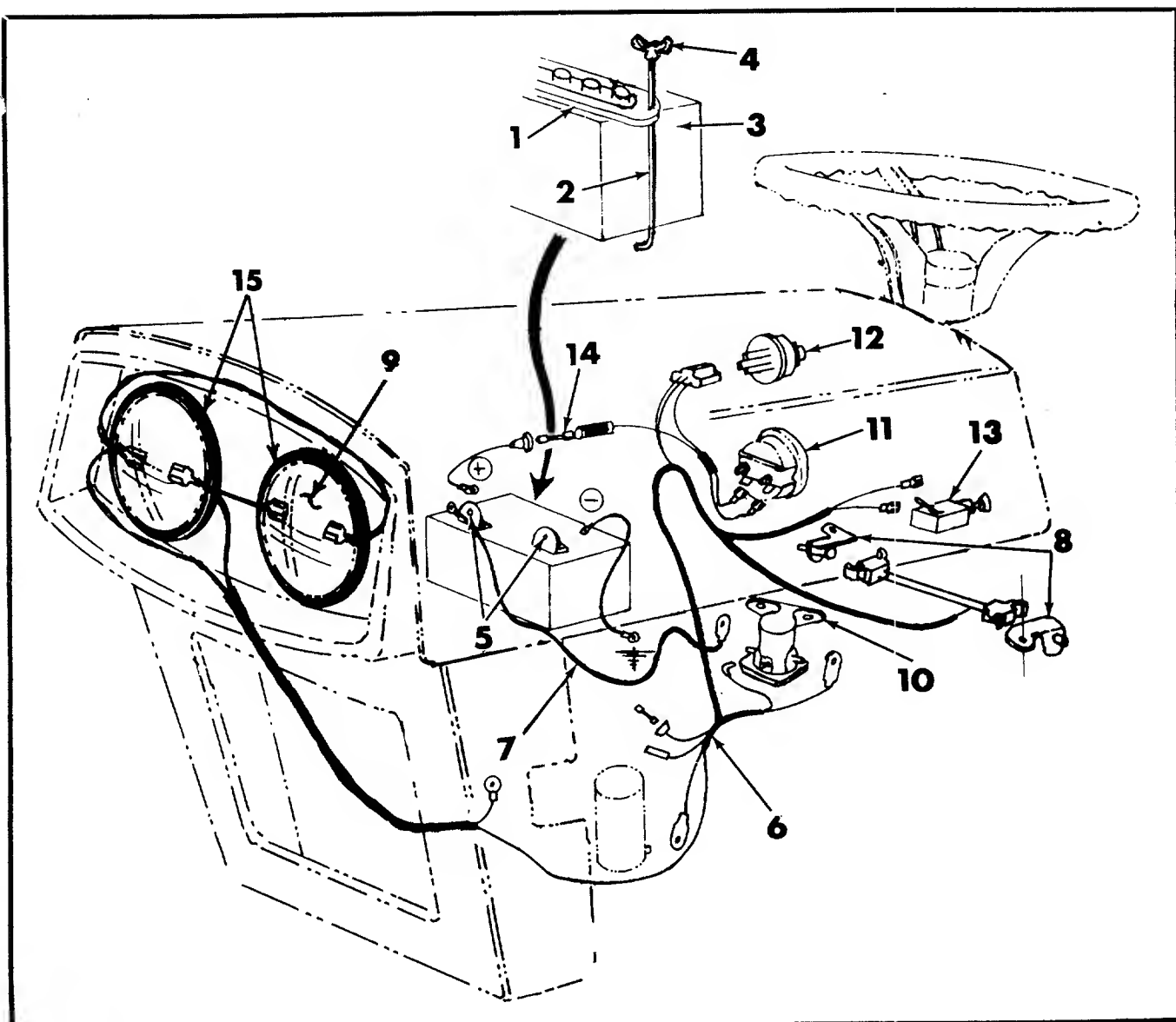


FIGURE 33. ELECTRICAL SYSTEM

PARTS LIST FOR FIGURE 33 ELECTRICAL SYSTEM

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	8821		Hold Down		8	725-268		Safety Switch (Black Plunger)	
2	711-222		Hold Down Rod		9	725-222		Head Light	
3	725-117		Battery		10	725-270		Solenoid	
4	712-113		Wing Nut 1/4-20 Thd.		11	725-119		Ammeter	
5	710-258		Hex Hd. Cap Scr. 1/4-20 x 5/8" Lg.*		12	725-267		Ignition Switch	
	736-329		Spring Lockwasher 1/4" Scr.*			725-201		Ignition Key—Only	
	712-287		Hex Nut 1/4-20 Thd.*		13	725-202		Head Light Switch	
6	725-364		Wire Harness	N	14	725-298		Fuse 7 1/2 Amp. 1/4" Dia. x 1 1/4" Lg.	
7	725-122		Electric Wire 7.25" Lg.		15	735-156		Head Light—Door Mounting	N

\*For faster service obtain standard nuts, bolts, and washers locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

## BATTERY WARRANTY CERTIFICATE

The following general warranty policy applies to all batteries sold by IBMA members using this warranty. The nationwide warranty applies only to batteries bearing the IBMA seal of approval.

All new batteries sold by IBMA members carry a warranty against faulty material or workmanship for 90 days from date of purchase. A faulty battery is to be adjusted, repaired or replaced with a new battery by an IBMA member, jobber or dealer only, or the warranty becomes void. An IBMA type battery that is faulty within the 90 day period is to be repaired or replaced with a new battery F.O.B. any IBMA factory supplier or any IBMA authorized dealer, without charge.

Your battery carries a further warranty on a pro-rata adjustment basis covering the number of months determined by the class of service and type of battery. In determining the exchange cost of a new battery, charges will be made for months of service used and the warranty is valid to the original purchaser only.

IBMA approved factory suppliers, as well as all IBMA authorized dealers, are to honor this Warranty. If your IBMA approved battery carries the IBMA seal of approval, this Warranty is to be honored by dealers handling IBMA approved batteries everywhere. (Independent Battery Manufacturers Association, Inc.)

Failures in service that are caused by fire, collision, freezing, abuse, faulty electrical equipment or the use of a battery of a group size smaller or specifications lower than the original battery are not covered by this policy.

## BATTERY MANUFACTURER MEMBERSHIP LIST

<b>ALABAMA</b> Birmingham Southern Bty. Yocom Batteries Mobile Yocom Batteries Montgomery Ebco Battery	Express Bty. Div. Leeth Brothers <b>FLORIDA</b> Fort Lauderdale Florida Bty. Hialeah East Penn Mfg. Jacksonville Tropex Batteries Yocom Batteries Miami Tropex Batteries Yocom Batteries Orlando Yocom Batteries Pensacola Yocom Batteries St. Petersburg Electro Battery Co. Tampa Bilt-Rite Bty. Mfg. Contract Bty. Mfg. DeSoto Bty. & Elec. Tropex Batteries Yocom Batteries	Contract Bty. Mfg. Yocom Batteries <b>ILLINOIS</b> Belleville Bell City Bty. Mfg. Chicago Illinois Bty. Mfg. Universal Bty. Volta Bty. Corp. Pearia Red Diamond Bty. <b>INDIANA</b> Muncie Staut Storage Bty. <b>IOWA</b> Corydon Voltmaster Council Bluffs Reliance Bty. Prod. Des Moines Voltmaster <b>KANSAS</b> Kansas City American Batteries Contract Bty. Mfg. <b>KENTUCKY</b> Whitesburg Electro-Lite Bty. <b>LOUISIANA</b> New Orleans Central Bty. Reliable Bty.	Shreveport Central Bty. <b>MARYLAND</b> Baltimore East Penn Mfg. <b>MASSACHUSETTS</b> Watertown Atlantic Bty. <b>MICHIGAN</b> Detroit Batteries Mfg. Flint ABC Batteries Holly Detroit Battery Madison Heights C & W Lektra Warren G & M Battery <b>MINNESOTA</b> St. Paul Standard Storage Bty. <b>MISSISSIPPI</b> Florence Contract Bty. Mfg. Jackson Central Bty. New Albany Laher Bty. Prod. <b>MISSOURI</b> Joplin Lead Products	Maryland Heights Electro Bty. Mfg. Sikeston Electro Bty. <b>NEW JERSEY</b> Atlantic City Landis Battery <b>NEW MEXICO</b> Albuquerque Sandia Bty. Mfg. <b>NEW YORK</b> Buffalo East Penn Mfg. Lockport Great Lakes Battery <b>NORTH CAROLINA</b> Charlotte Yocom Batteries Thomasville East Penn Mfg. <b>OHIO</b> Akron Crown Battery Cincinnati Moore Battery Cleveland Crown Battery New Castle Bty. Columbus Crown Battery Fremont Crown Battery	<b>OREGON</b> Beaverton Western Bty., Inc. Portland Laher Bty. Prod. <b>PENNSYLVANIA</b> Altoona East Penn Mfg. Erie New Castle Bty. Lancaster Lancaster Bty. Lyan Station East Penn Mfg. New Castle New Castle Bty. Philadelphia East Penn Mfg. Pittsburgh Simon Bty. & Res. Geidel Bty. Div. <b>RHODE ISLAND</b> Providence Pilo Mfg., Inc. <b>SOUTH CAROLINA</b> Columbia Yocom Batteries <b>TENNESSEE</b> Chattanooga Electro-Lite Bty. Knoxville Southern Bty.	Memphis Central Battery Laher Bty. Prod. Southern Bty. Nashville Electro-Lite Bty. Southern Bty. <b>TEXAS</b> Dallas Continental Bty. Reliable Battery El Paso El Paso Bty. Houston Texford Bty. Co. Reliable Battery San Antonio Reliable Battery <b>UTAH</b> Salt Lake City Laher Bty. Prod. <b>VIRGINIA</b> Arlington Express Bty. Div. Leeth Bros. Lynchburg Hydrate Battery <b>WASHINGTON</b> Seattle Laher Bty. Prod. Spokane Laher Bty. Prod. <b>CANADA</b> Vancouver, B. C. Industrial Bty. & Supply
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## WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. **UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.**

# PARTS INFORMATION

**DEFECTIVE OR MISSING PARTS** must be reported to the factory immediately. Such claims must include your model number and date of purchase.

## MOWER, TILLER, SNOW THROWER, TRACTOR, TRAIL BIKE AND MUD BUG PARTS

Mower, tiller, snow thrower, tractor, trail bike and mud bug parts are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, de-

scription of parts and the quantity of each part required.

## BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines—Gasoline*, Briggs & Stratton or Tecumseh Lauson—Power Products.

### A 1 Engine & Mower Co.

327 East 9th Street  
Salt Lake City, Utah 84102

### American Electric Ignition Co.

124 N. W. 8th Street  
Oklahoma City, Oklahoma 73102

### Auto Electric & Carburetor Co.

2625 4th Avenue, S.  
P. O. Box 1948  
Birmingham, Alabama 35233

### Automotive Equipment Service Co.

3117 Holmes Street  
Kansas City, Missouri 64109

### Bailey's Rebuild Inc.

1325 E. Madison Street  
Seattle, Washington 98102

### Brown Equipment Distributor Inc.

110 Beech Street  
Corydon, Indiana 47112

### Bullard Supply

2409 Commerce Street  
Houston, Texas 77003

### Catto & Putty, Inc.

P. O. Box 2408  
510 Soledad Street  
San Antonio, Texas 78205

### Center Supply Company

6867 New Hampshire Avenue  
Takoma Park, Maryland 20012

### Charles B. Wright Co.

309 4th Avenue, South  
Nashville, Tennessee 37201

### W. B. Clements

400 Salem Avenue  
Roanoke, Virginia 24016

### Morton B. Collins Co.

300 Birnie Avenue  
Springfield, Massachusetts 01107

### Dixie Sales Company

P. O. Box 1408  
327 Battleground Avenue  
Greensboro, North Carolina 27402

### East Point Cycle & Key Shop

1617 Whiteway  
East Point, Georgia 30044

### Gamble Distributors

West End Avenue  
Carthage, New York 13619

### Garden Equipment Co., Inc.

6600 Cherry Avenue  
Long Beach, California 90805

### Henzler, Inc.

2015 Lemay Ferry Road  
St. Louis, Missouri 63125

### Frank E. Ives & Son

1101 Lincoln Avenue  
Prospect Park, Pennsylvania 19076

### J. W. Jewett Co.

981 Folsom Street  
San Francisco, California 94107

### Kenton Supply

8216 North Denver Avenue  
Portland, Oregon 97217

### Kimber's Inc.

115 W. Geddes St.  
Syracuse, New York 13204

### The Lawnmower Shop

1340 El Camino Real  
San Carlos, California 94070

### Marr Brothers

423 E. Jefferson  
Dallas, Texas 75203

### Mathews Auto Electric Co.

420 East 2nd Street  
Tulsa, Oklahoma 74120

### McClure Lawn & Garden Supply

1114 Lexington Avenue  
Mansfield, Ohio 44907

### Memphis Cycle & Supply Co.

421 Monroe Avenue  
Memphis Tennessee 38103

### Moz-All of Florida, Inc.

365 Greco Avenue  
Coral Gables, Florida 33146

### National Central, Div. of

Joe Sterling, Inc.  
Drawer "D" 687 Seville Rd.  
Wadsworth, Ohio 44281

### Power Equipment Distributor

36463 So. Gratiot Avenue  
Mt. Clemens, Michigan 48043

### Parts & Sales Inc.

2101 Industrial Pkwy.  
Elkhart, Indiana 46514

### Parts & Sales Inc.

335 West St. Charles Road  
Villa Park, Illinois 60181

### Power Lawn & Garden Equip. Co.

2551-2571 J. F. Kennedy Road  
Dubuque, Iowa 52001

### Raub Supply Company

James & Mulberry Sts.  
Lancaster, Pennsylvania 17604

### Radco Distributors

2403 Market Street  
P. O. Box 3216  
Jacksonville, Florida 32206

### Richmond Battery & Ignition

P. O. Box 25369 — 957 Myers St.  
Richmond, Virginia 23260

### Smith Hardware Company

515 N. George Street  
Goldsboro, North Carolina 27530

### South Denver Lawn Equip. Co.

527 West Evans  
Denver, Colorado 80223

### Suhren Engine

8330 Earhart Blvd.  
New Orleans, Louisiana 70118

### Sutton's Lawn Mower Shop

Route 4, Box 343  
North Little Rock, Arkansas 72117

### Warner Equipment

7520 Lyndale Avenue, So.  
Minneapolis, Minnesota 55423

## WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in material and workmanship, defects which are not detected at the time of manufacture.

Our aim is to build into our product quality and reliability. Considerable emphasis is placed on quality control in order to assure our customer of satisfactory product performance. To achieve this goal, it is necessary to gain the cooperation of all concerned, MTD, our sales force and our customers.

MTD's responsibility is to build a quality product and to back up that product. MTD must build this quality product at a competitive price. This cannot be achieved without production in quantity. Quantity production is mass production. In mass production it is always possible for undetected defects to be present when the product reaches the customer. Our warranty is extended to assure the customer that any such defects will be corrected.

Use and maintenance are the responsibility of the customer. MTD cannot assume responsibility for conditions over which it has no control. MTD's responsibility does not cover misuse, excessive use, accident neglect, improper maintenance or alterations by unauthorized persons. Satisfactory product performance can only result when a manufacturer provides and backs up a quality product and the customer follows through with proper use and proper maintenance of that product. When both the manufacturer and the customer recognizes and assumes his responsibility, satisfactory product performance and customer satisfaction are assured.

BRAKE PARTS

1,000 ✓ SCREW 1-232 X (~~792073~~) 792085

1,000 ✓ SPACER 2697 (786066)

1,000 ✓ DISC 790009

BRACKET 11848 (MTD)

BRAKE (2) 790006 (MTD 761-153)

1,000 ✓ BACKUP PLATE 790007

2,000 ✓ (2) pins 786026 ✓

Ed Houton

P/O B-3480

SHIP TO.

MIOWEST.

979 S. CONWELL

44890

753-111